

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021301.D
 Acq On : 24 Feb 2025 15:29
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 25 01:20:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	143629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	223002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	193685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	96676	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	14598	9.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.120%#
35) Dibromofluoromethane	7.634	113	14455	10.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.280%#
50) Toluene-d8	10.103	98	49729	9.525	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.040%#
62) 4-Bromofluorobenzene	12.401	95	17728	9.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	19.660%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	10080	10.412	ug/l	99
3) Chloromethane	2.068	50	9820	10.632	ug/l	98
4) Vinyl Chloride	2.202	62	11026	8.676	ug/l	97
5) Bromomethane	2.592	94	7939	9.160	ug/l	93
6) Chloroethane	2.732	64	7945	9.166	ug/l	93
7) Trichlorofluoromethane	3.062	101	20737	9.800	ug/l	96
8) Diethyl Ether	3.452	74	6299	9.630	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	12733	10.002	ug/l	97
10) Methyl Iodide	4.000	142	8881	7.414	ug/l	99
11) Tert butyl alcohol	4.854	59	7556	58.897	ug/l #	90
12) 1,1-Dichloroethene	3.793	96	9431	8.740	ug/l	91
13) Acrolein	3.647	56	5422	58.236	ug/l	100
14) Allyl chloride	4.378	41	17869	8.952	ug/l	98
15) Acrylonitrile	5.061	53	15856	50.761	ug/l	100
16) Acetone	3.872	43	15124	52.913	ug/l	99
17) Carbon Disulfide	4.104	76	13954	5.529	ug/l #	94
18) Methyl Acetate	4.385	43	8071	9.380	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	33383	9.760	ug/l	98
20) Methylene Chloride	4.610	84	14216	10.187	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	10194	8.628	ug/l	97
22) Diisopropyl ether	6.018	45	46422	9.852	ug/l	95
23) Vinyl Acetate	5.964	43	122275	46.525	ug/l	98
24) 1,1-Dichloroethane	5.915	63	24936	9.693	ug/l	99
25) 2-Butanone	6.896	43	21589	49.243	ug/l	96
26) 2,2-Dichloropropane	6.884	77	24972	10.394	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	14407	9.339	ug/l	95
28) Bromochloromethane	7.244	49	9779	8.412	ug/l	100
29) Tetrahydrofuran	7.262	42	12637	46.247	ug/l	99
30) Chloroform	7.414	83	27813	10.262	ug/l	98
31) Cyclohexane	7.701	56	17128	8.633	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	24246	10.022	ug/l	99
36) 1,1-Dichloropropene	7.835	75	15482	8.983	ug/l	99
37) Ethyl Acetate	6.994	43	9703	10.019	ug/l	98
38) Carbon Tetrachloride	7.817	117	20923	9.816	ug/l	95
39) Methylcyclohexane	9.103	83	16795	8.420	ug/l	87
40) Benzene	8.079	78	49965	9.331	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	4941	9.585	ug/l #	69
42) 1,2-Dichloroethane	8.158	62	16079	9.833	ug/l	100
43) Isopropyl Acetate	8.195	43	18640	9.558	ug/l #	88
44) Trichloroethene	8.865	130	12556	9.377	ug/l	94
45) 1,2-Dichloropropane	9.140	63	13611	9.750	ug/l	96
46) Dibromomethane	9.237	93	7453	9.759	ug/l	97
47) Bromodichloromethane	9.420	83	21687	10.211	ug/l	97
48) Methyl methacrylate	9.219	41	8325	9.394	ug/l	93
49) 1,4-Dioxane	9.225	88	1572	180.871	ug/l	86
51) 4-Methyl-2-Pentanone	9.999	43	51062	49.255	ug/l	98
52) Toluene	10.170	92	31801	9.311	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	18239	9.551	ug/l	91
54) cis-1,3-Dichloropropene	9.853	75	20546	9.476	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	11065	10.428	ug/l	99
56) Ethyl methacrylate	10.438	69	12489	9.011	ug/l	99
57) 1,3-Dichloropropane	10.719	76	18395	10.236	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	28011	40.332	ug/l	99
59) 2-Hexanone	10.761	43	31787	46.777	ug/l	100
60) Dibromochloromethane	10.914	129	14808	10.227	ug/l	99
61) 1,2-Dibromoethane	11.017	107	9184	9.714	ug/l	95
64) Tetrachloroethene	10.646	164	11308	9.376	ug/l	90
65) Chlorobenzene	11.438	112	37345	9.723	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	15221	10.584	ug/l	97
67) Ethyl Benzene	11.517	91	64188	9.534	ug/l	97
68) m/p-Xylenes	11.627	106	47449	19.005	ug/l	100
69) o-Xylene	11.956	106	23005	9.579	ug/l	98
70) Styrene	11.969	104	39076	9.593	ug/l	99
71) Bromoform	12.133	173	8884	10.595	ug/l #	100
73) Isopropylbenzene	12.255	105	64937	9.944	ug/l	99
74) N-amyl acetate	12.072	43	16000	9.273	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	12903	10.491	ug/l	93
76) 1,2,3-Trichloropropane	12.554	75	9129m	10.198	ug/l	
77) Bromobenzene	12.529	156	15419	9.954	ug/l	98
78) n-propylbenzene	12.596	91	77209	9.732	ug/l	100
79) 2-Chlorotoluene	12.682	91	45527	9.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	52836	9.835	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	3833	9.314	ug/l	88
82) 4-Chlorotoluene	12.779	91	47811	10.073	ug/l	100
83) tert-Butylbenzene	12.999	119	50885	10.180	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	53562	9.895	ug/l	99
85) sec-Butylbenzene	13.176	105	73765	10.237	ug/l	100
86) p-Isopropyltoluene	13.291	119	60954	10.109	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	32311	10.244	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	32508	10.449	ug/l	97
89) n-Butylbenzene	13.615	91	57052	9.923	ug/l	99
90) Hexachloroethane	13.877	117	13440	10.396	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	28677	10.308	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2175	10.791	ug/l	87
93) 1,2,4-Trichlorobenzene	14.925	180	15676	9.414	ug/l	98
94) Hexachlorobutadiene	15.023	225	11755	10.804	ug/l	98
95) Naphthalene	15.145	128	23966	8.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	13677	9.567	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

